

b3 sub F2
9. (Amended) A recombinant adeno-associated virus vector of claim 8 wherein said nucleic acid sequence or nucleic acid sequences [is responsible for encoding] encodes at least one human globin protein [or a biologically active fragment thereof], chosen from the human globin gene cluster.

In Claim 11, line 4, change the second occurrence of "IV" to

-- VI --.

b1 sub F3
12. (Amended) A recombinant adeno-associated virus vector of claim 11 wherein said nucleic acid sequence or nucleic acid sequences [is responsible for encoding] encodes at least one human globin protein [or a biologically active fragment thereof], chosen from the human globin gene cluster.

In Claim 14, line 4, change the second occurrence of "IV" to

-- VI --.

b2 sub F4
15. (Amended) A recombinant adeno-associated virus vector of claim 14 wherein said nucleic acid sequence [is responsible for encoding] encodes a human globin protein [or a biologically active fragment thereof], chosen from the human globin gene cluster.

b3 sub F4
17. (Amended) A recombinant adeno-associated virus vector of claim 16 wherein said nucleic acid sequence [responsible for encoding] encodes a human globin protein [encodes] [^]gamma globin [or a biologically active fragment thereof].

In Claim 21, line 1, change "22" to -- 12 --.

27. (Amended) A recombinant adeno-associated virus vector, which comprises:

- a) at least a portion of the adeno-associated virus genome;
- b) a eukaryotic based *cis*-acting regulatory sequence; and[.]
- c) a eukaryotic based nucleic acid sequence [responsible for encoding] that encodes a therapeutic protein [or biologically active fragment thereof],

said virus vector having the property of regulating cell specific expression of said nucleic acid sequence or nucleic acid sequences upon stable transduction of a human hematopoietic cell.

In Claim 29, line 4, change the second occurrence of "IV" to